



Attorney Docket No.: 5440.204-US

GP 1652  
Box Seq  
WD

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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MAY 26 2000

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In re Application of: Kauppinen et al.

Serial No.: 09/339,159

Group Art Unit: 1652

Filed: June 24, 1999

Examiner: Prouty, R.

For: Novel Mannanases

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

I hereby certify that the attached correspondence comprising:

1. Submission of Sequence Listing
2. Sequence Listing
3. Copy of Notice to Comply With Sequence Rules
4. Disk Containing Sequence Listing

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is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner of Patents and Trademarks  
Washington, DC 20231

on May 22, 2000.

Miriam Kelly  
(name of person mailing paper)

Miriam Kelly  
(signature of person mailing paper)



Application No.: 09/339,159

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: \_\_\_\_\_

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☐ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**

*Priority*

# **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



#6



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/339,159

Art Unit / Team No. : 1652

Date Processed by STIC: 3/31/2000

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**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

PAGE:

1



RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/339,159

1652

DATE: 04/06/2000  
TIME: 10:32:49

Input Set: I339159.RAW

This Raw Listing contains the General  
Information Section and those Sequences  
containing ERRORS.

Does Not Comply  
Corrected Diskette Needed

1 <110> Kauppinen, Markus Sakari  
2 Schulein, Martin  
3 Schnorr, Kirk  
4 Andersen, Lene Nonboe  
5 Bjornvad, Mads Eskelund  
6 <120> Novel Mannanases  
7 <130> 5440.204-US  
8 <140> US/09/339,159  
9 <141> 1999-06-24  
10 <150> 60/106,054  
11 <151> 1998-10-28  
12 <150> 60/105,970  
13 <151> 1998-10-28  
14 <150> 60/123,543  
15 <151> 1999-03-09  
16 <150> 60/123,623  
17 <151> 1999-03-10  
18 <150> 60/123,641  
19 <151> 1999-03-10  
20 <150> 60/123,642  
21 <151> 1999-03-11  
22 <160> 34  
23 <170> FastSEQ for Windows Version 3.0

ERRORED SEQUENCES FOLLOW

E--> 24 <210> 1  
E--> 25 <211> *> insert these mandatory sequence identifiers and responses*  
E--> 26 <212>  
E--> 27 <213>  
28 <400> 1  
29 ttgaataatg gttttaaaaa aattttttct ataacattat cattactatt agctagctct 60  
30 attctgttcg tticaggaac ttctacagct aatgcaaatt ccggatttta tgtaagcgg 120  
31 accactctat acgatgccaa tggaaaccca tttgtaatga gagggattaa ccatgggcac 180  
32 gcatgggtata aagaccaggc aactactgca attgaaggga ttgcaaatac cgggtgcta 240  
33 acgggtccgga ttgtgttatc tgatggggga caatggacaa aagatgacat ccatacagta 300  
34 agaaacctta tctcttttagc ggaagataat catttggttg ctgttcttga agttcatgat 360  
35 gctaccggtt atgattccat tgcttcgctc aatcgtgctg ttgattattg gattgaaatg 420  
36 agaagtgcgt taattggaaa ggaagatacc gtcattatta atattgcgaa tgaatgggtt 480  
37 gggtcgtggg aaggggatgc ttgggctgac gggtataaac aagcaatccc gcgattgcgt 540  
38 aacgccggtc taaaccatac cttgatggta gatgctgcgg ggtggggaca atttccacaa 600  
39 tcgattcatg attatggaag agaagttttt aatgctgacc ctcaacgaaa tacaatgttt 660

PAGE: 2

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/339,159**

 DATE: 04/06/2000  
 TIME: 10:32:49

Input Set: I339159.RAW

40	tcgattcata	tgtatgaata	tgcaggtggt	aatgcatcgc	aagttcgtac	taatattgac	720
41	cgagttctta	atcaagacct	cgcattagtc	attggtgaat	ttggacaccg	tcatacaaat	780
42	ggtgacgtcg	atgaagcaac	gattatgagc	tattctgaac	aaagaggagt	tgggtggttg	840
43	gcgtgggtcat	ggaaagggaa	cggcccagaa	tgggagtatt	tagacctttc	gaatgattgg	900
44	gctggaaata	accttacagc	ttggggaaat	acaatagtga	atgggtccata	tggtttaaga	960
45	gaaacttcga	gattaagcac	cgtttttaca	ggtggaggat	ctgatggagg	aacttctccg	1020
46	acaactcttt	atgattttga	aggtagtatg	caaggatgga	ctggaagtag	cttgagcgga	1080
47	ggtccttggg	ctgtgacaga	gtggtcttct	aaaggaagtc	attctttaaa	agcggatatt	1140
48	caattgtcgt	caaattcaca	acattactta	catgttattc	aaaatacgtc	tttacagcag	1200
49	aatagtagga	tacaagctac	tgttaaacat	gcaaattggg	gaagtgttgg	taatggaatg	1260
50	actgcgcgtc	tttatgtgaa	aacaggacat	ggttatacat	ggtactctgg	aagctttgtg	1320
51	ccgattaacg	gttcactctg	aacaacgcta	tctctagatt	tatcaaattgt	ccaaaatctt	1380
52	tctcaagtaa	gggaaattgg	agttcagttc	caatcagcga	gtgatagtag	tggacaaaca	1440
53	tcgatttata	ttgataatgt	gattgtagaa				1470

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Please review the  
 Sequence Listing to ensure that a corresponding explanation is presented in the <220> to  
 <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I339159.RAW

Line ? Error/Warning

Original Text

---

25 E Missing Required Data for this Field  
26 E Wrong or missing Molecule Type  
27 E Response to "Organism" is Missing